DERWENT-ACC-NO:

1999-618956

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environments

TITLE:

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PATENT-ASSIGNEE: AT & T CORP[AMTT]

PRIORITY-DATA: 1997US-0978527 (November 25, 1997)

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US 5970446 A October 19, 1999

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APPLICATION-DATA:

PUB-NO

APPL-DESCRIPTOR

APPL-NO

Robust speech recognition method in noisy

APPL-DATE

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INT-CL (IPC): G10L007/08

ABSTRACTED-PUB-NO: US 5970446A

BASIC-ABSTRACT:

NOVELTY - After receiving the speech, the amount of data related to the noisy

environment is recorded. The recorded data is analyzed and atleast one appropriate background noise model is selected on the basis of the recorded

data. Speech recognition is performed based on the selected background noise $\ensuremath{\mathsf{model}}\xspace.$

<code>DETAILED DESCRIPTION</code> - The background noise model is created by modeling atleast one background noise in the noisy environment. When the selected model $% \left(1\right) =\left(1\right) \left(1$

is determined as incorrect, other background noise model is loaded for performing speech recognition.

USE - For recognizing speech in noisy environments.

ADVANTAGE - Provides robust speech recognition in variety of noise environments. The speech recognition system provides higher performance and

lower error rate than current systems. Even when the error rate begins to

approach an unacceptable level, automatic correction can be performed by switching to different models.

DESCRIPTION OF DRAWING(S) - The figure shows flowchart for determining proper noise model.

CHOSEN-DRAWING: Dwg.2/4

TITLE-TERMS: ROBUST SPEECH RECOGNISE METHOD NOISE ENVIRONMENT

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